Form 1449*

Atty. Docket No.: 303.355US4 Serial No. Unknown

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant: Leonard Forbes et al.

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U.S. PATENT DOCUMENTS

**Examiner			O.B. PATENT DOCUMENTS			Filing Date
Initial	Document Number	Date	Name	Class	Subclass	If Appropriate
70	_ 4,113,515	09/12/1978	Kooi, E., et al.	148	1.5	03/29/76
<u> </u>	_ 4,460,670	07/01/1984	Ogawa, et al.	430	57	11/19/82
- 11	_ 4,462,150	07/31/1984	Nīshimura, H., et al.	29	576 B	09/16/82
<u> 7 L'</u>	_ 4,507,673	03/26/1985	Aoyama, M., et al.	357	23 R	09/21/83
TP	_ 4,657,699	04/01/1987	Nair	252	513	12/17/84
71)	_ 4,738,729	04/01/1998	Yoshida, et al.	136	258	01/27/87
71)	_ 4,768,072	08/30/1988	Seki, Y., et al.	357	29	10/02/86
T <i>U</i>	_ 4,769,686	09/06/1988	Horiuchi, M., et al.	357	23.8	06/19/87
	_ 4,841,349	06/20/1989	Nakano, M.	357	30	10/28/87
$\frac{7D}{}$	_ 4,849,797	07/18/1989	Ukai, Y., et al.	357	237	01/20/88
<u> 7P</u>	_ 4,893,273.	01/09/1990	Usami	365	185	03/21/86
70	_ 5,049,950	09/17/1991	Fujii, Y., et al.	357	2	08/09/90
TI	_ 5,111,430	05/05/1992	Morie	365	185	06/21/90
<u> </u>	_ 5,145,741	09/01/1992	Quick	428	402	02/28/91
i <i>D</i>	_ 5,235,195	08/10/1993	Tran, N.T., et al.	257	59	10/19/92
1 L	_ 5,260,595	11/09/1993	Lee, R.F.	257	316	12/10/91
_ I C	_ 5,293,560	03/08/1994	Harari, E.	365	185	11/03/92
71	_ 5,298,796	03/29/1994	Tawel, P.	307	201	07/08/92
<u> </u>	_ 5,317,535	05/31/1994	Talreja, S.S., et al.	365	185	06/19/92
1 L'	_ 5,369,040	11/29/1994	Halvis, et al.	437	3	04/12/93
- ()	_ 5,371,383	12/06/1994	Miyata, K., et al.	257	77	05/14/93
-D	_ 5,388,069	02/07/1995	Kokubo, M.	365	185	03/18/93
-iC	_ 5,407,845	04/18/1995	Nasu, Y., et al.	437	40	10/13/93
<u> TD</u>	_ 5,415,126	05/16/1995	Loboda, M.J., et al.	117	88	08/16/93
71)	_ 5,424,993	06/13/1995	Lee, R.R., et al.	365	218	11/15/93
<u> 7D</u>	_ 5,438,544	08/01/1995	Makino, T.	365	185	01/28/94
<u> 70</u>	_ 5,449,941	09/12/1995	Yamazaki, S., et al.	257	411	10/27/92
70	_ 5,455,432	10/03/1995	Hartsell, M.L., et al.	257	77	10/11/94
<u> </u>	_ 5,465,249	11/07/1995	Cooper, et al.	365	149	11/26/91
	_ 5,467,306	11/14/1995	Kaya, C., et al.	365	185.2	10/04/93
7 <i>D</i>	_ 5,477,485	12/19/1995	Bergemont, et al.	365	185.24	02/22/95
70	_ 5,493,140	02/20/1996	Iguchi, K.	257	316	06/21/94
+ <u>f</u>	_ 5,508,543	04/16/1996	Hartstein, A.M., et al.	257	314	04/29/94
	_ 5,530,581	06/25/1996	Cogan	359	265	05/31/95
	_ 5,557,114	09/17/1996	Leas, J.M., et al.	257	59	01/12/95
<u> </u>	_ 5,562,769	10/08/1996	Dreifus, D.L., et al.	117	86	02/22/95
$\leftarrow \int$	r 580_080	10/00/1996	llu, et al.	1	25 # -	ولايو وياي
	_ 5,604,357	02/18/1997	Hori, T.	257	24	07/11/95
$-\frac{1}{2} \frac{\int_{\Gamma} f_{\Gamma}}{f_{\Gamma}}$	_ 5.623.412	04/22/1997	Seto: H et al	3.45	85 08	វែច/ ៦/១1
10	_ 5,629,222	05/13/1997	Yamazaki, S., et al.	438	259	04/28/95
7[)	_ 5,654,208	08/05/1997	Harris, C., et al.	438	522	05/08/95

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U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TD	_ 5,670,790	09/23/1997	Katoh, et al.	257	14	09/19/96
T ()	_ 5,714,766	02/03/1998	Chen, et al.	257	20	09/29/95
1()	_ 5,719,410	02/17/1998	Suehiro, S., et al.	257	7 7	12/16/96
10	_ 5,740,104	04/14/1998	Forbes, L.	365	185.03	01/29/97
TO	_ 5,754,477	05/19/1998	Forbes, L.	365	185.33	01/29/97
7 D	_ 5,786,250	07/28/1998	Wu, Z., et al.	438	254	03/14/97
70	_ 5,789,276	08/04/1998	Leas, J.M., et al.	438	59	12/08/95
TD	_ 5,801,401	09/01/1998	Forbes, L.	257	77	01/29/97
10_	_ 5,846,859	12/08/1998	Lee, S.	438	253	02/23/96
<u> 70</u>	_ 5,858,811	01/12/1999	Tohyama, S.	438	75	01/15/97
7D	_ 5,877,041	03/02/1999	Fuller, R.T.	438	105	06/30/97
TD	5,886,368	03/23/1999	Forbes, L., et al.	257	77	07/29/97
10	_ 5,886,379	03/23/1999	Jeong, H.	257	319	01/27/97
ĩΓ	_ 5,898,197	04/27/1999	Fujiwara, H.	257	317	06/03/97
70	_ 5,907,775	05/25/1999	Tseng, H.	438	261	04/11/97
16	_ 5,911,837	06/15/1999	Lakhani, V.	365	185.02	10/28/96
77	_ 6,018,166	01/25/2000	Lin, K., et al.	257	22	07/30/98
<u>II</u>	_ 6,031,263.	02/29/2000	Forbes, L., et al.	257	315	07/29/97
	_ 6,034,001	03/07/2000	Shor, J.S., et al.	438	931	02/17/94
10	_ 6,075,259	06/13/2000	Baliga, B.J.	257	77	07/13/99
<u> </u>	_ 6,144,581	11/07/2000	Diorio, C.J., et al.	365	185.03	11/30/98
10	_ 6,163,066	12/19/2000	Forbes, L., et al.	257	632	08/24/98
<u> 70 </u>	_ 6,165,401	12/26/2000	Forbes, L.	257	77	08/20/98

FOREIGN PATENT DOCUMENTS

*Examiner						Translation
Initial	Document Number	Date	Country	Class	Subclass	Yes No
70	01-115162	05/08/1989	Japan	H01L	29/78	
70	_ 0291951	08/04/1993	European	H01L	29/64	
<u> 70</u>	_ 03-222367	10/01/1991	Japan	H01L	29/784	
71)	_ 04-056769	02/24/1992	Japan	C23C	16/32	
TD)	06-224431	08/12/1994	Japan	H01L	29/784	
<u> </u>	_ 06-302828	10/28/1994	Japan	H01L	29/788	
-7D	0681333	11/08/1995	European	HOlL	29/788	
<u> 7D </u>	_ 07 115191	05/02/1995	Japan	HOll	29/78	
1 <i>b</i>	_ 07-226507	08/22/1995	Japan	H01L	29/78	
	_ 08 255878	10/01/1996	Japan	H01L	27/10	
ننــــ	08 255378-TR	10/01/1996	Japan	${\tt H01L}$	27/10	
70	_ 60-024678	02/07/1985	Japan	G06K	9/36	
	_ စ်ပ်∸ာ့သာမှတ်စဉ်	Ú9/2U/1985	Japan	023C	16/30	
10	_ 60-242678	12/02/1985	Japan	H01L	29/73	
10	_ 62-122275	06/03/1987	Japan	HOll	27/78	

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FOREIGN PATENT DOCUMENTS

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	n IniBoahment Number	Date	Country	Class	Subclass	Yes
70 10	63-181473 63-219172 63-289960	07/26/1988 09/12/1988 11/28/1988	Japan	HO1L	29/78 29/78 29/64	

OTHER DOCUMENTS

**Examiner Initial	(Including Author, Title, Date, Pertinent Pages, Etc.)
70	Akasaki, I., et al., "Effects of AlN Buffer Layer on Crystallographic Structure and on Electrical and Optical Properties of GaN and $Ga(1-x)Al(x)N$ [0< x (< or =) 0.4] Films Grown on Sapphire Substrate by MOVPE", <u>J, Crystal Growth, 98</u> , 209-219, (1989)
10	Alok, D., et al., "Electrical Properties of Thermal Oxide Grown on N-type 6H-Silicon Carbide", <u>Applied Physcis Letters</u> , <u>64</u> , 2845-2846, (May 23, 1994)
(1)	Andrieux. M., et al., "Interface and Adhesion of PACVD SiC Based Films on Metals", Supp. "Le Vide: science, technique et applications, 279, 212-214, (1996)
5 ()	Bachmann, P., et al., "Influence on Surface Modifications on the Electronic Properties of CVD Diamond Films", <u>Diamond and Related Materials, 5</u> , 1378-1383, (1996)
70	Baglee, D., "Characteristics & Reliability of 100 Angstrom Oxides", <u>IEEE 22nd</u> <u>Annual Proc.: Reliability Physics</u> , Las Vegas, 152-155, (April 3-5, 1984)
1()	Beheim, G., et al., "Magnetron Plasma Etching of SiC for Microstructures", <u>Proc: SPIE - Integrated Optics and Microstructures III</u> , San Jose, CA, 82-86, (Jan 29, 1996)
70	Beltram, F., et al., "GaAIAs/GaAs Floating-Gate Memory Devices with Graded-Gap Injector Grown by Molecular-Beam Epitaxy", <u>IEEE Transactions on</u> <u>Electron Devices, 35</u> , Abstract No. VA-7, 2451, (Dec. 1988)
70	Bengtsson, S., et al., "Applications of Aluminum Nitride Films Deposited by Reactive Sputtering to Silicon-On-Insulator Materials", <u>Japanese J. Applied Physics</u> , 35, 4175-4181, (1996)
; <u>()</u>	Benjamin, M., et al., "UV Photoemission Study of Heteroepitaxial AlGaN Films Grown on 6H-SiC". <u>Applied Surface Science</u> , 104/105, 455-460. **1000**
: D	Bermudez, V., et al., "The Growth and Properties of Al and AlN Films on GaN(0001; (1 x 1,", <u>J. Applied Physics, 79</u> , 110-119, (Jan. 1996)

Examiner	Date Considered
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*Substitute Disclosure Statement Form DTG 1440:	, ,

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Applicant: Leonard Forbes et al.

(Use several sheets if necessary)

Filing Date: Herewith Group: Unknown

OTHER DOCUMENTS

**Examiner Initial

70	Boeringer, D.W., et al., "Avalanche amplificaiton of multiple resonant tunneling through parallel silicon microcrystallites", <u>Physical Rev. B, 51</u> , 13337-13343, (1995)
70	Casey, H., et al., "Low Interface Trap Density for Remote Plasma Deposited SiO2 on n-type GaN", Applied Phys. Lett., 68, 1850-1852, (March 1996)
70	Chang, C., et al., "Novel Passivation Dielectrics-The Boron- or Phosphorus-Doped Hydrogenated Amorphous Silicon Carbide Films", <u>Journal of the Electrochemical Society</u> , 132, 418-422, (Feb. 1985)
10	Choi, J., et al., "Effect of Deposition Conditions and Pretreatments on the Microstructure of MPECVD Diamond Thin Films", <u>Materials Chemistry and Physics</u> , <u>45</u> , 176-179, (1996)
<u>+0</u>	Clarke, G., et al., "The Infrared Properties of Magnetron-Sputtered Diamond-Like Thin Films", <u>Thin Solid Films, 280</u> , 130-135, (1996)
70	Compagnini, G., et al., "Spectroscopic Characterization of Annealed Si(1-x)C(x) Films", <u>J. Materials Res., 11</u> , 2269-2273, (Sept. 1996)
TO	Dartnell, N., et al., "Reactive Ion Etching of Silicon Carbide $(Si(x)C(1-x))$ ", Vacuum, 46, 349-355, (1995)
T ()	Demichelis, F., et al., "Influence of Doping on the Structural and Optoelectronic Properties of Amorphous and Microcrystalline Silicon Carbide", Journal of Applied Physics, 72, 1327-1333, (Aug. 15, 1992)
Ţ ()	Demichelis, F., et al., "Physical Properties of Undoped and Doped Microcrystalline SiC:H Deposited By PECVD", <u>Materials Research Society Symposium Proceedings</u> , 219, Anaheim, CA, 413-418, (4/30 - 5/3, 1991)
†D	Dipert, B., et al., "Flash Memory Goes Mainstream", <u>IEEE Spectrum, 30</u> , 48-52, (October 1993)
ı D	Edelberg, E., et al., "Visible Luminescence from Nanocrystalline silicon films produced by plasma enhanced chemical vapor deposition". Appl. Phys.com/ Lett., 68 , 1415-1417, (1996)
10	Fissel. A et al "Epitaxial Growth of SiG Thin Films on Si stabilized alpha-SiG (0001) at Low Temperatures by Solid-source Molecular Beam Epitaxy", Journal of Crystal Growth, 154, 72-80. (1995)

Examiner	Date Considered
The ser here	12/04/21
*Substitute Disclosure Statement Form : PTO 1449;	

^{**}EXAMINER: Initial if citation considered whether or not citation is in conformance with MFEP 609: Traw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 5 of 11

Form 1449*	Atty. Docket No.: 303.355US4	Serial No. Unknown
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INFORMATION DISCLOSURE STATEMENT	Applicant: Leonard Forbes et al.	
BY APPLICANT (Use several sheets if necessary)	Filing Date: Herewith	Group: Unknown

OTHER DOCUMENTS

**Examiner Initial

70	Friedrichs, P., et al., "Interface Properties of Metal-Oxide-Semiconductor Structures on N-Type 6H and 4H-SiC", <u>J. Applied Physics, 79</u> , 7814-7819, (May 15, 1996)
TO	Fujii, T., et al., "Bonding Structures in Highly Photoconductive a-SiC:H Films Deposited by Hybrid-Plasma Chemical Vapor Deposition", <u>Journal of Non-Crystalline Solids, 198-200</u> , 577-581, (1996)
TD	Goetzberger, A., et al., <u>Applied Solid State Science: Advances in Materials and Device Research</u> , R. Wolfe, ed., Academic Press, New York, Including pg. 233, (1969)
TD	Graul, J., et al., "Growth Mechanism of Polycrystalline beta-SiC Layers on Silicon Substrate", <u>Applied Phys. Lett., 21</u> , 67-69, (July 1972)
T	Hamakawa, Y., et al., "Optoelectronics and Photovoltaic Applications of Microcrystalline SiC", <u>Materials Research Society Symposium Proceedings, 164</u> , Boston, MA, 291-301, (11/29-12/1, 1989)
TD	He, Z., et al., "Ion-beam-assisted Deposition of Si-carbide Films", <u>Thin</u> <u>Solid Films, 260</u> , 32-37, (1995)
10	Hu, G., et al., "Will Flash Memory Replace Hard Disk Drive?", <u>1994 IEEE</u> <u>International Electron Device Meeting</u> , Panel Discussion, Session 24, Outline, 2 pages, (Dec. 1994)
10	Hwang, J., et al., "High Mobility beta-SiC Epilayer Prepared by Low-pressure Rapid Thermal Chemical Vapor Deposition on a (100) Silicon Substrate", Thin Solid Films, 272, 4-6, (1996)
77)	Hybertsen, M.S., "Absorption and Emission of Light in Nanoscale Silicon Structures", <u>Phys. Rev. Lett., 72</u> , 1514-1517, (1994)
11:	Jou, S., et al., "Electron Emission Characterization of Diamond Thin Films Grown from a Solid Carbon Source", <u>Thin Solid Films</u> , <u>280</u> , 256-261, (1996)
10	Eats, M., et al., "Read-Disturb Degradation Mechanism due to Electron Trapping in the Tunnel Oxide for Low-voltage Flash Memories", <u>IEEE Electron</u> <u>Device Meeting</u> . 45-48. (1994)
7 / 1	Kothandaraman, M., et al., "Reactive Ion Etching of Trenches in 6H-SiC", <u>J.</u> <u>Dicatronic Materials, 15</u> , 875 878, '1996'

Examiner	Date Considered
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INFORMATION DISCLOSURE STATEMENT	Applicant: Leonard Forbes et al.		
BY APPLICANT (Use several sheets if necessary)	Filing Date: Herewith	Group: Unknown	

OTHER DOCUMENTS

**Examiner Initial

71)	Kumbhar, A., et al., "Growth of Clean Amorphous Silicon-Carbon Alloy Films by Hot-Filament Assisted Chemical Vapor Deposition Technique", <u>Applied Phys.</u> <u>Lett, 66</u> , 1741-1743, (April 1995)
TO	Lakshmi, E., et al., "Interface-State Characteristics of GaN/GaAs MIS Capacitors", <u>Solid-State Electronics, 25</u> , 811-815, (1982)
70	Lanois, F., et al., "Angle Etch Control for Silicon Carbide Power Devices", Applied Phys. Lett., 69, 236-238, (July 1996)
10	Lau, S., et al., "Optoelectronic Properties of Highly Conductive Microcrystalline SiC Produced by Laser Crystallization of Amorphous SiC", <u>J. of Non-Crystalline Solids</u> , 198-200, 907-910, (1996)
<u>ער </u>	Leggieri, G., et al., "Laser Ablation Deposition of Silicon Carbide Films", Applied Surface Science, 96-98, 866-869, (1996)
71)	Lei, T., et al., "Epitaxial Growth and Characterization of Zinc-Blende Gallium Nitride on (001) Silicon", <u>J. Appl. Phys., 71</u> , 4933-4943, (May 1992)
70	Lin, B., et al., "Dramatic Reduction of Sidegating in MODFET's", <u>IEEE</u> <u>Transactions on Electron Devices, 35</u> , Abstract No. VA-6, pg. 2451, (1988)
TP	Liu, J., et al., "Formation of SiC Films on Silicon Field Emitters", Materials Res. Soc. Symp. Proc., 311, San Francisco, CA, (April 13-15, 1993)
77	Liu, J., et al., "Modification of Si Field Emitter Surfaces by Chemical Conversion to SiC", <u>J. Vac. Sci. Technology</u> , <u>B 12</u> , 717-721, (1994)
7.0	Lott, J.A., et al., "Charge Storage in InAIAs/InGaAs/InP Floating Gate Heterostructures", <u>Electronics Letters</u> , <u>26</u> , 972-973, (July 5, 1990)
13	Luo, J., et al., "Localized Epitaxial Growth of Hexagonal and Cubic SiC Films on Si by Vacuum Annealing", Applied Phys. Lett., 69, 916-918, (Aug. 1996)
17	Martins, R., et al., "Transport Properties of Doped Silicon Oxycarbide Microcrystalline Films Produced by Spatial Separation Techniques", <u>Solar Energy Materials and Solar Cells</u> , 41-42, 493-517, (1996)
- , }	Martins, R., et al., "Wide Band Gap Microcrystalline Silicon Thin Films", <u>Diffusion and Defect Data , Solid State Phenomena, 44-46, Part 1</u> , Scited Publications, 299-346, (1995)

Examiner	Date Considered	
Mercalling		12/0,/01
ASplistitute Disclosure Statement Form PTO 1449		

Sheet 7 of 11

Form 1449* Atty. Docket No.: 303.355US4 Serial No. Unknown

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)

Filing Date: Herewith Group: Unknown

OTHER DOCUMENTS

**Examiner Initial

7 ()	Maury, F., et al., "Chemical Vapor Co-Deposition of C and SiC at Moderate Temperature for the Synthesis of Compositionally Modulated Si(x)C(1-x) Ceramic Layers", Surface and Coatings Technology, 76-77, 119-125, (1995)
70	McLane, G., et al., "High Etch Rates of SiC in Magnetron Enhanced SF(6) Plasmas", Applied Phys. Lett., 68, 3755-3757, (June 1996)
71)	Mogab, C., et al., "Conversion of Si to Epitaxial SiC by Reaction with C(2)H(2)", J. Applied Physics, 45, 1075-1084, (March 1974)
TO	Mohammad, S.N., et al., "Emerging Gallium Nitride Based Devices", <u>Proceedings</u> of the IEEE, 83, 1306-1355, (Oct. 1995)
71)	Molnar, R., et al., "Growth of Gallium Nitride by Electron-Cyclotron Resonance Plasma-Assisted Molecular-Beam Epitaxy: The Role of Charged Species", <u>J. Appl. Phys., 76</u> , 4587-4595, (1994)
τv	Muller, K., et al., "Trench Storage Node Technology for Gigabit DRAM Generations", <u>Digest IEEE International Electron Devices Meeting</u> , San Francisco, CA, 507-510, (Dec. 1996)
~()	Nemanich, P., et al., "Diamond Negative Electron Affinity Surfaces, Structures and Devices", <u>Proc.: Third International Conference on</u> <u>Applications of Diamond Films and Related Materials, 1</u> , Gaithersburg, MD, 17-24, (1995)
7.0	Nemanich, R., et al., "Negative Electron Affinity Surfaces of Aluminum Nitride and Diamond", <u>Diamond and Related Materials</u> , 790-796, (1996)
717	Ouyang, M., et al., "Deposition of Diamond-Like Carbon Films via Excimer Laser Ablation of Polybutadiene", <u>Materials Science and Engineering</u> , <u>B39</u> , 228-231, (1996)
10	Pankove, J., "Photoelectric Emission", <u>In: Optical Processes in Semiconductors</u> , Dover Publications Inc., New York, 287-301, (1971)
17	Pankove, J., et al., "Photoemission from GaN". <u>Applied Phys. Lett., 25</u> , 53-55, (1974)
· ** n	Papadas, C., et al., "Modeling of the intrinsic Fetention Charateristics of FLOTOX EEPROM Cells Under Elevated Temperature Conditions", <u>IEEE Transaction on Electron Devices, 42</u> , 678 682, (April 1995)

Examiner	Date Considered
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*Cubetitute Disclosure Statement Porm Un 1113	

^{**}EXAMINEA: Initial if citation considered whether or not obtain is in confirmance with MEEL+1+ fraw line for in Coasia not not in conformance and not considered. Include copy of this firm with next communication to applicant

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Form 1449*	Atty. Docket No.: 303.355US4	Serial No. Unknown
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BY APPLICANT (Lise several sheets if necessary)	Filing Date: Herewith	Group: Unknown

OTHER DOCUMENTS

**Examiner Initial

TV'	Patuwathavithane, C., et al., "Oxidation Studies for 6H-SiC", <u>Proc: 4th Int.</u> <u>Conf. on Amorphous and Crystalline Silicon Carbide IV</u> , Santa Clara, CA, 163-169, (Oct. 9-11, 1991)
70	Pereyra, I., et al., "Wide Gap a-Si(1-x)C(x): H Thin Films Obtained Under Starving Plasma Deposition Conditions", <u>J. Non-Crystalline Solids, 201</u> , 110-118, (1996)
70	Pollack, S., "Electron Transport Through Insulating Thin Films", <u>Appl.</u> <u>Solid-State Science, 1</u> , 345-355, (1969)
	Prendergast, J., "FLASH or DRAM: Memory Choice for the Future", <u>IEEE</u> <u>Electron Device Meeting, Session 25</u> , Phoenix, AZ, (1995)
71)	Rahman, M., et al., "Preparation and Electrical Properties of An Amorphous SiC/ Crystalline Si p(+)n Heterostructure", <u>Japanese J. Applied Physics, 23</u> , 515-524, (May 1984)
70	Renlund, G., et al., "Silicon Oxycarbide Glasses: Part I. Preparation and Chemistry", <u>Journal of Materials Research, 6</u> , 2716-2722, (December 1991)
TO	Renlund, G., et al., "Silicon Oxycarbide Glasses: Part II. Structure and Properties", <u>Journal of Materials Research, 6</u> , 2723-2734, (December 1991)
TP	Sakata, I., et al., "Amorphous Silicon/Amorphous Silicon Carbide Heterojunctions Applied to Memory Device Structures", <u>Electronics Letters</u> , <u>30(9)</u> , 688-689, (1994)
10	Schmidt, I., et al., "Low Temperature Diamond Growth Using Fluorinated Hydrocarbons", <u>Diamond and Related Materials, 5</u> , 1318-1322, (1996)
71)	Schoenfeld, O., et al., "Formation of Si Quantum dots in Nanocrystalline silicon", Proc. 7th Int. Conf. on Modulated Semiconductor Structures, Madrid, 605-608, (1995)
	Serre, C., et al., "Ion-Beam Synthesis of Amorphous SiC Films: Structural Analysis and Recrystallization", <u>C. Appl. Phys., 79</u> , 6907-6913 (May 1996)
1/)	Sim, S., et al., "A New Planar Stacked Technology (PST) for Scaled and Embedded DRAMs", <u>Digest IEEE Int. Electron Devices Meeting</u> , nan Francisco, CA, 504-507, (Dec. 1996)

Examiner	Date Considered
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*Substitute Disclosure Statement Form PTC 1449	

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BY APPLICANT (Use several sheets if necessary)	Filing Date: Herewith	Group: Unknown

OTHER DOCUMENTS

**Examiner Initial

7()	Suzaki, Y., et al., "Quantum Size Effects of a-Si(:H)/a-SiC(:H) Multilayer Films Prepared by rf Sputtering", Abstracts of Papers Published in the Int. J. Japenese Soc. for Precision Engineering, 28, Abstract of Paper in vol. 60, 182, (June 1994)
10	Svirkova, N., et al., "Deposition Conditions and Density-of-States Spectrum of a-Si(1-x)C(x) :H Films Obtained by Sputtering", <u>Semiconductors, 28</u> , 1164-1169, (Dec. 1994)
TI)	Sze, S., <u>Physics of Semiconductors</u> , 2nd Edition., John Wiley & Sons, Pub., New York, ISBN 0471056618, (1981)
	Sze, S.M., <u>In: Physics of Semiconductor Devices</u> , Wiley-Interscience, New York, p. 496-497, (1969)
10	Tarui, Y., "Flash Memory Features Simple Structure, Superior Integration", <u>JEE, 30</u> , 84-87, (Sept. 1993)
70	Tenhover, M., et al., "DC-Magnetron Sputtered Silicon Carbide", <u>Materials</u> Res. Soc. Symp. Proc., 356, Boston, MA, 227-232, (11/28-12/02, 1994)
1 <i>D</i>	Thomas, J., et al., "Plasma Etching and Surface Analysis of a-SiC :H Films Deposited by Low Temperature Plasma Enhanced Chemical Vapor Deposition", Materials Res. Soc. Symp. Proc., 334, Boston, MA, 445-450, (11/29-12/02, 1993)
70	Tiwari, S., et al., "A silicon nanocrystal based memory", <u>Appl. Physics</u> <u>Lett., 68</u> , 1377-1379, (1996)
7,0	Tiwari, S., et al., "Volatile and Non-Volatile Memories in Silicon with Nano-Crystal Storage", <u>Int'l Electron Devices Meeting: Technical Digest</u> , Washington, DC, 521-524, (Dec. 1995)
70	Tsu, R., et al., "Slow Conductance oscillations in nanoscale silicon clusters of quantum dots", <u>Appl. Phys. Lett., 65</u> , 842-844, (1994)
$\langle j \rangle$	Tsu, R et al. "Tunneling in Nanoscale Silicon Particles Embedded in an a-SiO2 Matrix", <u>Abstract, IEEE Device Research Conference</u> , pp. 178-179, (1996)
··- ¹/	Tucker, C., et al., "Ion-beam-assisted Deposition of Nonhydrogenated a-Si:C Films" <u>Can. J. Physics</u> 74. 97 101. '1996'

Examiner	Date Considered
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tCubatitute Dicalagure Statement Form (DTO 1449)	

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BY APPLICANT (Use several sheets if necessary)	Filing Date: Herewith	Group: Unknown

OTHER DOCUMENTS

**Examiner Initial

- ₁ ()	van der Weide, J., et al., "Negative-electron-affinity Effects on the Diamond (100) Surface", Physical Review B [Condensed Matter], 50, 5803-5806, (Aug. 15, 1994)
<u>+p</u>	Vodakov, Y., et al., "Diffusion and Solubility of Impurities in Silicon Carbide", <u>In: Silicon Carbide</u> , R.C. Marshall, et al., eds., Univ. of South Carolina Press, 508-519, (1973)
70	Wahab, Q., et al., "3C-SiC / Si / 3C-SiC Epitaxial Trilayer Films Deposited on Si (111) Substrates by Reactive Magnetron Sputtering", J. Materials Res., 10, 1349-1351, (June 1995)
7 ()	Watanabe, A., et al., "SiC Thin Film Preparation by ArF Excimer Laser Chemical Vapor Deposition. Part 1: Rate of Photolysis of Alkylsilanes by ArF Excimer Laser and their Decomposition Products". Thin Solid Films, 274, 70-75, (1996)
10	Wolter, S., et al., "Textured Growth of Diamond on Silicon via in situ Carburization and Bias-Enhanced Nucleation", <u>Appl. Phys. Lett., 62</u> , 1215-1217, (March 1993)
70	Wu, K., et al., "The Growth and Characterization of Silicon/Silicon Carbide Heteroepitaxial Films on Silicon Substrates by Rapid Thermal Chemical Vapor Deposition", <u>Japanese J. Appl. Phys., 35</u> , 3836-3840, (1996)
71)	Yamaguchi, Y., et al., "Properties of Heteroepitaxial 3C-SiC Films Grown by LPCVD", <u>Digest of Tech. Papers: 8th Int. Conf. on Solid-State Sensors and Actuators and Eurosensors IX, vol. 2</u> , Stockholm, Sweden, 190-193, (June 1995)
71)	Yamanashi, H., et al., "Deposition of Silicon Compound Thin Films in DC Discharge Plasma Using Hydrogen-Hexamethyldisilane Gas Mixture", <u>Proc.: Int. Symp. on Surfaces and Thin Films of Electronic Materials. Bull. of the Res. Institute of Electronics, Shizuoka University, 30, 95-98, (1995)</u>
77	Ye, Q., et al., "Resonant Tunneling via Microcrystalline-silicon quantum confinement", Physical Rev. B, 44, 1806-1811, (1991)
71	Yee A. et al. "The Effect of Nitroger on Pulsed Laser Deposition of Amorphous Silicon Carbide Films: Properties and Structure", <u>J. Materials</u> <u>Research, 11</u> , 1979-1986, (1996)
-77	Yoder, M., "Wide Bandgap Semiconductor Materials and Devices", <u>IEEE</u> <u>Transactions on Electron Devices, 43</u> , 1633-1636, (October 1996)

Examiner	Date Considered	
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*Substitute Disclosure Statement Form .PTO-1449.		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner

Initial

Zhao, X., et al., "Nanocrystalline Si: a material constructed by Si quantum
dots", 1st Int. Conf. on Low Dimensional Structures and Devices, Singapore,

Zirinsky, S., et al., "Electrical Resistivity of Amorphous Silicon Resistor Films", Extended Abstracts of the Spring Meeting of the Electrochemical Society, Washington, DC, pp. 147-149, (1971)

Examiner

Date Considered

Substitute Disclosure Statement Form (PTO-1449)